

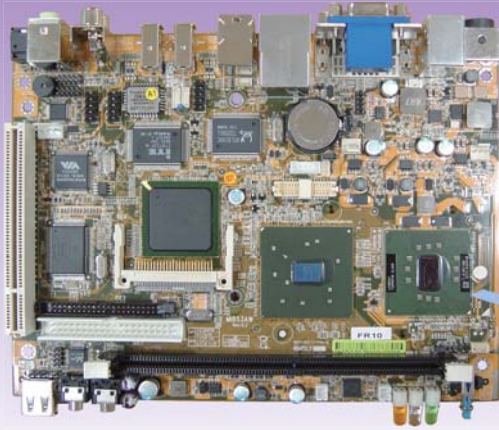
Networking

POS / Automation

DVR

Multimedia

Embedded System



Socket Version

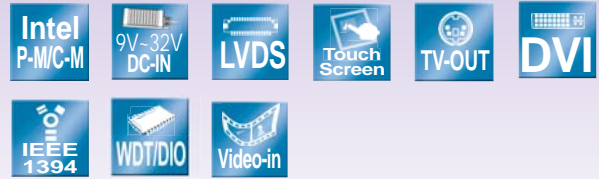


MI853AW Series

Application

Embedded IA, VOD, Video Capture server, Home conference, Security, Home MIDI, ATM, Set Top Box, PVR application

Features



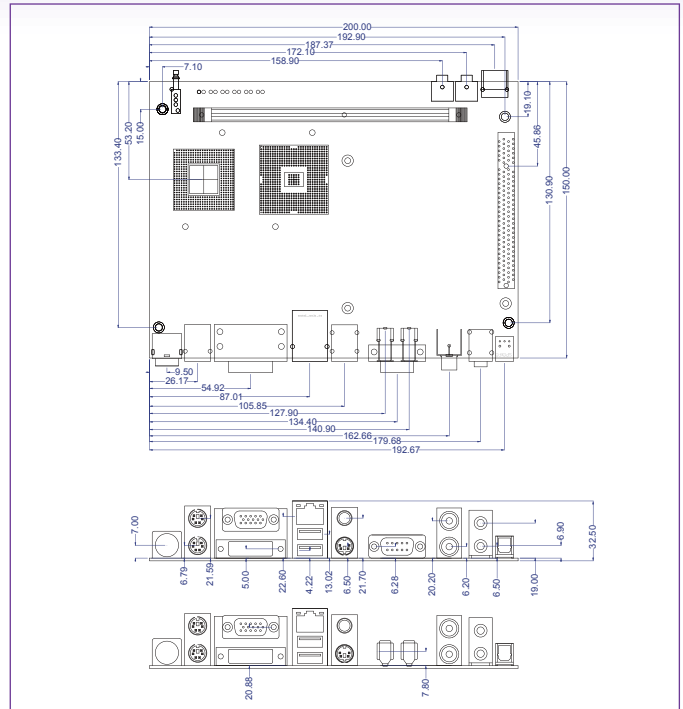
Specifications

- . CPU type Intel Pentium M / Celeron M- Dothan processor
- . Front Side Bus 400 / 533 MHz
- . MB Chipset Intel 82852 GM / 82852 GME + ICH4
- . BIOS Award BIOS
- . Graphics Integrated with Intel 82852 GM / GME
Shared system memory up to 64 MB
- . LVDS Data format of 18 bits / 36 bits
- . Memory 1 x DDR SDRAM DIMM slot (max. 1GB)
- . IDE Ultra ATA 100 / 66 / 33, 1 x 40 pin 2.54mm, 1 x 44 pin 2.0mm
CF Card Type II socket for ATA interface
- . Audio AC-Link for Audio CODEC, AC' 97 2.3
Support Mic-in / Line-in / SPDIF-Out
- . LAN 1 x Realtek 10 / 100 Mbps (optional Realtek / Intel GbE)
Intel 82541PI or Realtek RLT8100C / RLT8110SC LAN Chip
- . IO Function 2 x RS232
1 x RX / RTS / TX for RS232 signal level In/out
IrDA 1.0 / ASKIR protocol, PS/2 keyboard & mouse
- . USB 6 x USB 2.0 (2 external + 4 internal)
- . DVI Support DVI-D. Transmitter up to 165M pixels / sec.
- . Video-In 1 Conexant CX25878 chip for 1 port video-in
- . Audio Amplifier (option) Two channels Audio Amplifier
6-W / CH Into an 8-Ω Load from a 12-V Supply
Up to 92% Efficient, Class-D operation
Differential Input minimizes Common-Mode noise
- . IEEE1394A 2 ports PHY, 32 bit Power managed PCI bus interface
- . TV-OUT Support all NTSC & PAL formats. Resolution : 1024 x 768
Provide S-Video & 2 pin Header for CVBS TV-out connector.
USB interface Touch screen controller
- . Touch Screen (option) Support 4-, 5-, 8- wire Analog Resistive Touch screen
USB 1.1 full speed sample rate maximum of 300 point / sec.
- . DIO & WDT Hardware digital Input & Output, 8 x DI / 8 x DO
Hardware Watch Dog Timer, 0~255 sec programmable
- . Expansion interface 1 x Mini PCI socket
1 x PCI slot
- . Power Wide range DC-IN from +9V to +32V or
DC +12V ± 5% convert to +3.3V / +5V / +12V for system
- . Dimension 200 x 150 mm
- . Operation Temp. 0 ~ 60 °C
- . Operation Humidity 5 ~ 95% @ 60 °C, non-condensing

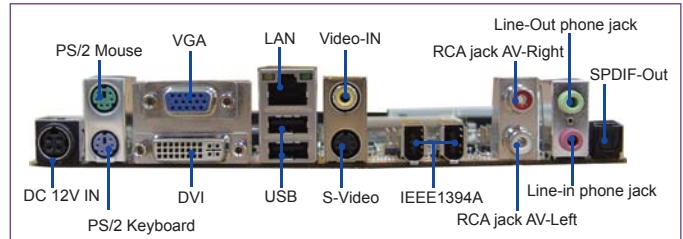
Ordering Information

- . MI853AW-FR10 DIO / WDT, Touch Screen, Video-in, IEEE1394A, Audio Amplifier, Wide range DC-IN
- . MI853A-1R10/1RXX Video-in, IEEE1394A
- . MI853A-TR10/TRXX Video-in, IEEE1394A, Touch Screen

Dimension



Back Panel



Testing environment

Model name : MI853AW-1R10
 CPU : Intel Celeron M 1 Ghz
 Chipset : Intel 82852 GM and Intel 82801DB ICH4
 OS : WIN XP
 Testing Program : 3D Mark 2001 SE

Fanless solution with CF card

Chassis	Light	Neo	Twister	Tino
Temperature				
0°C	Pass	Pass	Pass	Pass
25°C	Pass	Pass	Pass	Pass
45°C	Pass	Pass	Pass	Pass
60°C	Pass	Pass	Pass	Pass

Fanless solution with 2.5" HDD

Chassis	Light	Neo	Twister	Tino
Temperature				
0°C	Pass	Pass	Pass	Pass
25°C	Pass	Pass	Pass	Pass
40°C	Pass	Pass	Pass	Pass
45°C	Pass	Pass	Pass	Pass

Please upgrade the hard drive to industrial grade for better temperature performance.